
Simplicity®

OPERATOR'S MANUAL

46" SICKLE BAR

MFG. NOS. 210, 346, 402, 465,
538, 548, 623 AND 687

SIMPLICITY MANUFACTURING COMPANY, INC.



SIMPLICITY'S NEW EQUIPMENT WARRANTY

The Company warrants Simplicity products to be free from defects in material and workmanship, except the Company makes no warranty, express or implied, with respect to tires, engines, generators and voltage regulators, which are warranted by their respective manufacturers. Any part covered by this warranty which is proven defective within one year (45 days for equipment used for rental, municipal or commercial purposes) under normal use, from date of purchase, will be replaced without charge, provided such part is returned to the factory, (if requested), and is found to be defective upon examination at the factory. This warranty does not apply to any Simplicity products altered outside of the Simplicity factory. **THE FOREGOING WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, PERFORMANCE, OR OTHERWISE.** The Company's obligation under its warranty is strictly and exclusively limited to the replacement of such parts, and in no event shall the Company be liable for any other damages, whether direct, immediate, incidental, special, or consequential. Simplicity Manufacturing Company, Inc., reserves the right to modify or change specifications without prior notification. There are no warranties which extend beyond the description of any Simplicity product.

SAFETY PRECAUTIONS TO PROTECT YOURSELF AND OTHERS

Read and become familiar with the owner's manual for your tractor and the sickle bar mower before operating the mower.

Do not allow anyone to use the mower unless they have been instructed in how to operate it safely.

Never attempt to adjust, repair, or service the mower while the tractor engine is running.

Do not allow others near the mower while it is operating.

Stay clear of the mower drive belts, pulleys and sickle knife when the tractor engine is running.

Be sure the sickle bar has stopped moving before attempting to adjust, repair, or service the mower. **CAUTION: THE**

SICKLE BAR MAY CONTINUE TO OPERATE A FEW SECONDS AFTER THE CLUTCH HAS BEEN DISENGAGED, AND THE ENGINE IS SHUT OFF.

Mark clearly or remove from the area to be mowed any object which might get caught in or be struck by the sickle bar.

Disengage power to the mower and stop the engine before leaving the operators position.

Operate the mower only in daylight, or good artificial light.

Be especially careful while working around the cutter bar. The cutting edges are very sharp and can cause injury.

Use caution when operating on a sloping surface.

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

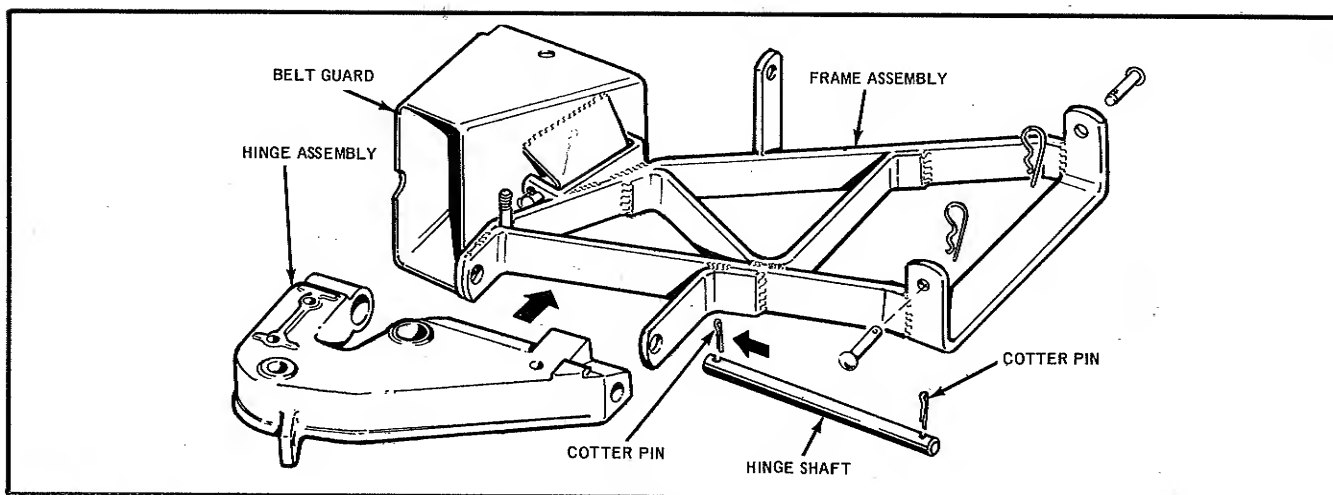


FIGURE 1

PACKING

The 46" Sickle Bar is delivered complete in two cartons. The long carton contains:

- 1 - Divider Board
- 2 - Sickle Bar Assembly
- 3 - Shoe Assembly or Shoe Assembly and Handle Assembly (Mfg. No. 210).

The smaller carton contains:

- 1 - Drive Belt
- 2 - Belt Guard and Frame Assembly
- 3 - Hinge Assembly
- 4 - Sickle Drive Group

Remove all pieces from the cartons and make certain no parts are discarded with the cartons. Should any shortages of the above items occur, advise by stating the packers number listed on the packing slip. State part number and description of the items missing.

ASSEMBLY

Follow the sequence of steps as outlined below.

1. Position the hinge assembly and drive group between the mounting brackets of the frame assembly and insert the hinge shaft and secure with cotter pins. Refer to Figure 1.
2. Assemble the shoe assembly to the inboard end of the sickle bar assembly using two capscrews, lockwashers and hex nuts furnished.
3. Attach the sickle bar assembly to the bottom plate of the cutter bar lever assembly, using two hex capscrews and one plow bolt. Refer to Figure 2. To each of the capscrews, add four flat washers to act as spacers between the cutter bar lever assembly and the sickle bar assembly. Add one flat washer as a spacer for the plow bolt. Secure with lock washers and hex nuts. The plow bolt uses a lock nut instead of a lock washer and hex nut.
4. Connect the free end of the drive link assembly to the sickle head by means of a spacer, hex capscrew, flat washer and hex lock nut as furnished. Insert the spacer into the hole in drive link end so the head of spacer is between the sickle head and drive link. Refer to Figure 3.
5. If sickle bar for Mfg. No. 210 is used, attach the handle assembly to the lift bracket assembly, using one hex cap-

screw and lock nut in the lower mounting hole of handle assembly. The upper mounting hole is for one pin and hair pin cotter. The handle assembly mounts to the face of the lift bracket nearest the drive pulley and will angle slightly away from the cutting edge of the sickle bar. The lock nut in the lower mounting hole must be adjusted to allow the handle to be raised or lowered freely when desired.

6. For all models except Mfg. No. 210, fasten the small loop end of the large tension spring (part no. 101126) to the vertical bracket on frame assembly, using a bushing, hex capscrew, lock washer and hex nut as shown in Figure 4. The opposite end of the tension spring is attached to the lift cable brace as shown. Place bushing on capscrew and insert capscrew with head inside of cable brace lock washer and hex nut on outside. Raise end of cutter blade until spring may be hooked in place over the bushing.

7. Place the drive belt in place on the drive pulley and pull the free end through the belt guard.

8. Attach the divider board to the inner face of the bracket attached to the end of the sickle bar assembly, using one carriage bolt and hex lock nut. Adjust this nut so that the divider board can swivel freely without excessive side clearance. Refer to Figure 5.

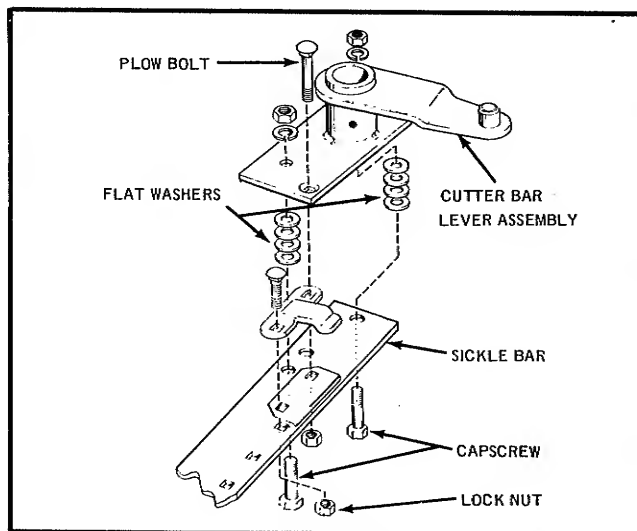


FIGURE 2

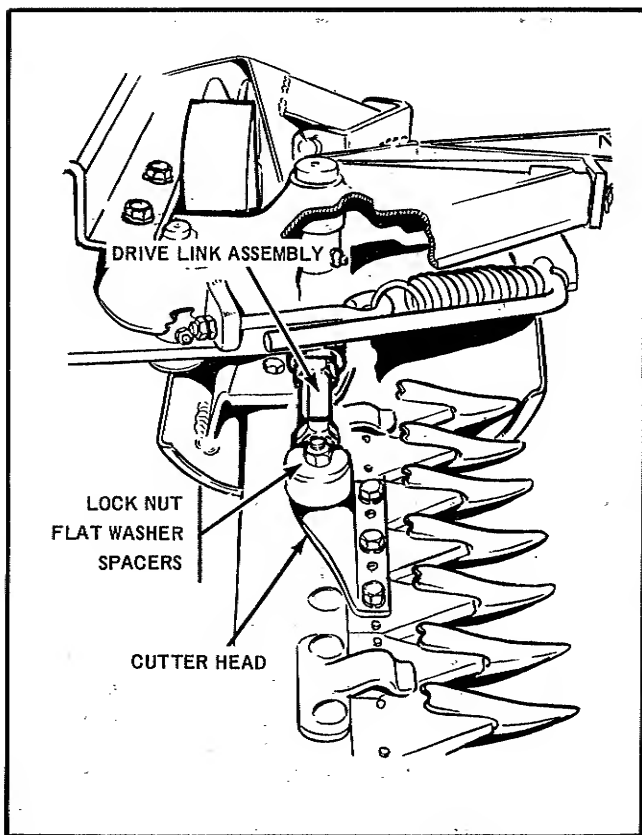


FIGURE 3

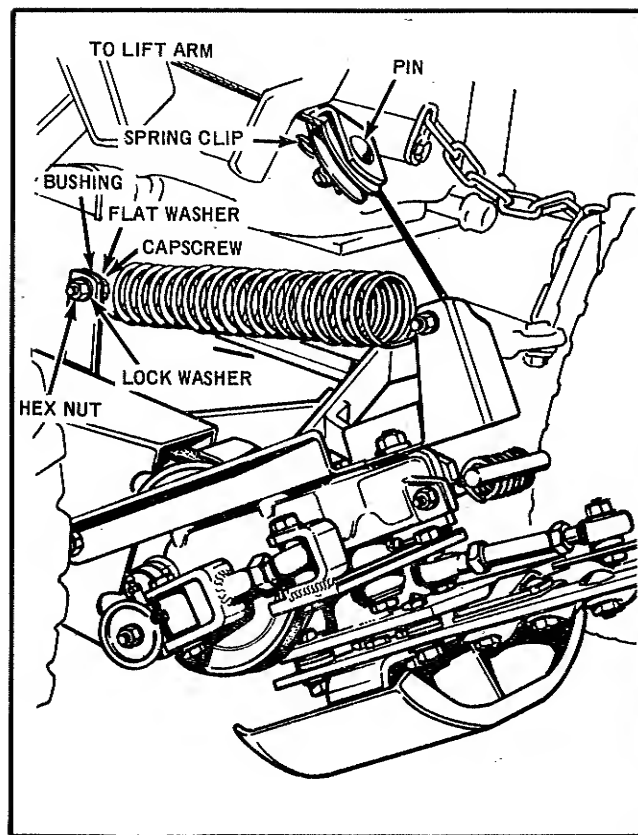


FIGURE 4

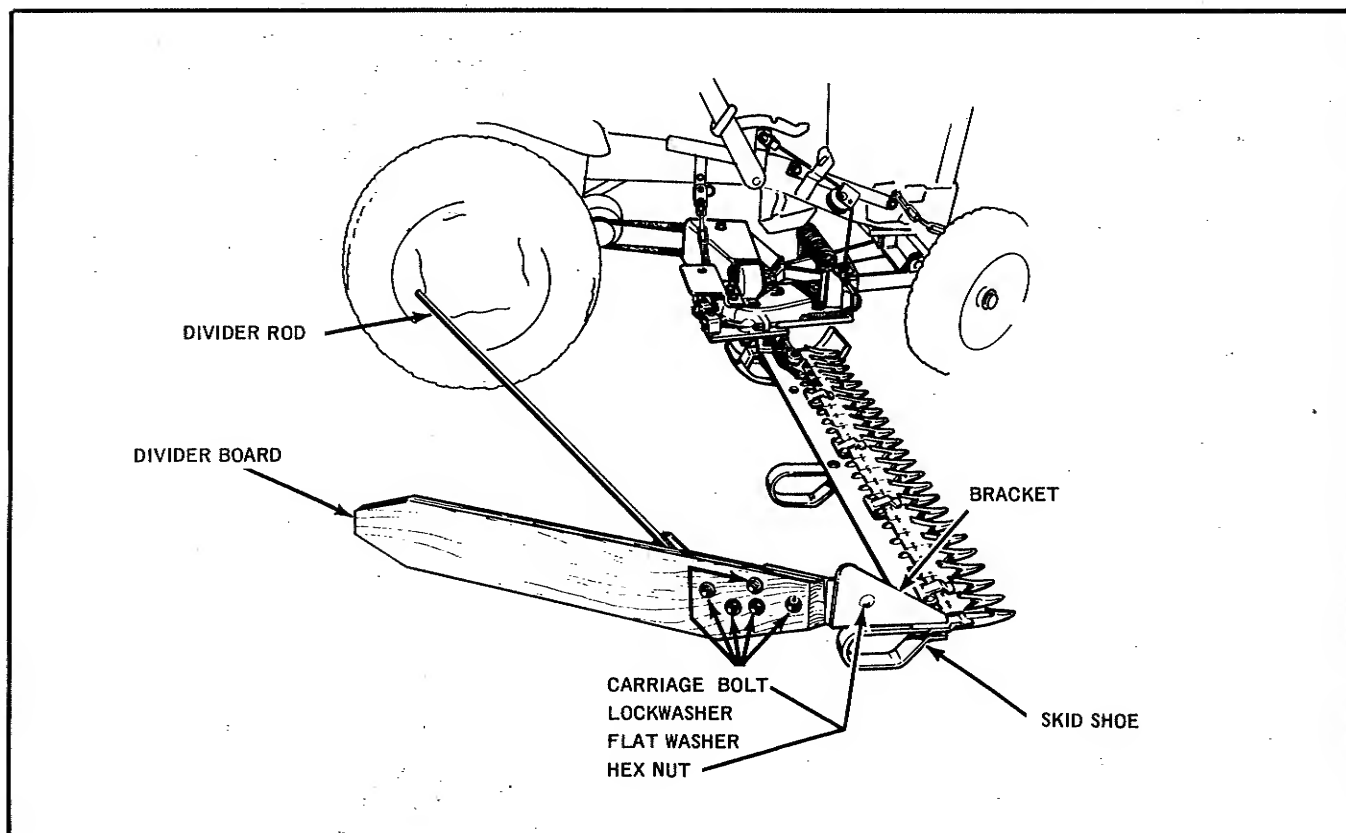


FIGURE 5

ATTACHMENT

For ease of attachment to tractor, follow the sequence of steps as outlined below:

1. Slide the sickle bar frame assembly under the right hand side of the tractor and attach to the front mounting brackets of the tractor with pins and spring clips or cotter pins (Mfg. No. 210) as shown in Figure 6.
2. When using sickle bar for Mfg. No. 210, attach the clutch pedal guard as shown in Figure 7, using the hex capscrew, lock washer and hex nut furnished.

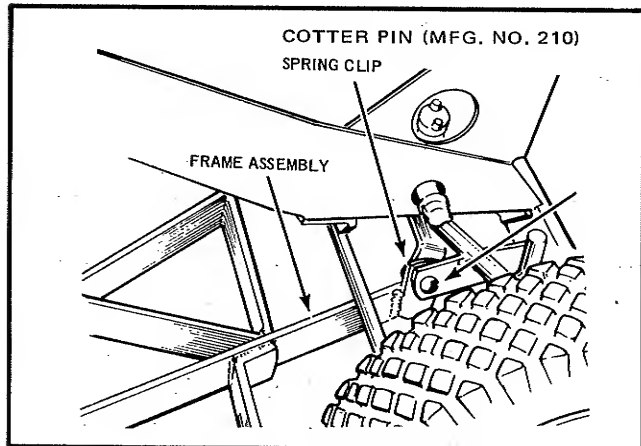


FIGURE 6

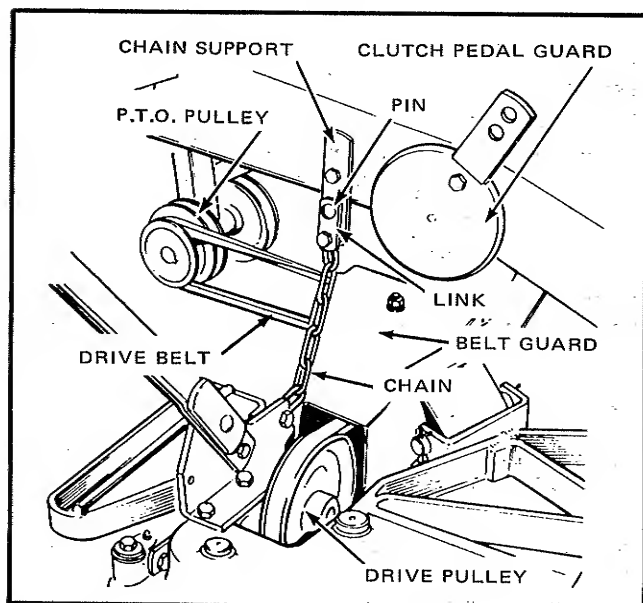


FIGURE 7

3. Attach the chain support to the frame of the tractor as shown in Figure 8, using hex capscrew, lock washer and hex nut furnished. Attach the chain and links to the chain support with a pin and spring clip.
4. Fasten the cable pulley mounting bracket to the right hand side of the tractor as shown in Figure 9, and attach the transport chain to the forward mounting bolt used to fasten the pulley bracket to tractor. The rear mounting bolt is held in place with a lock washer and hex nut on the Model 725 tractor (Mfg. No. 210).

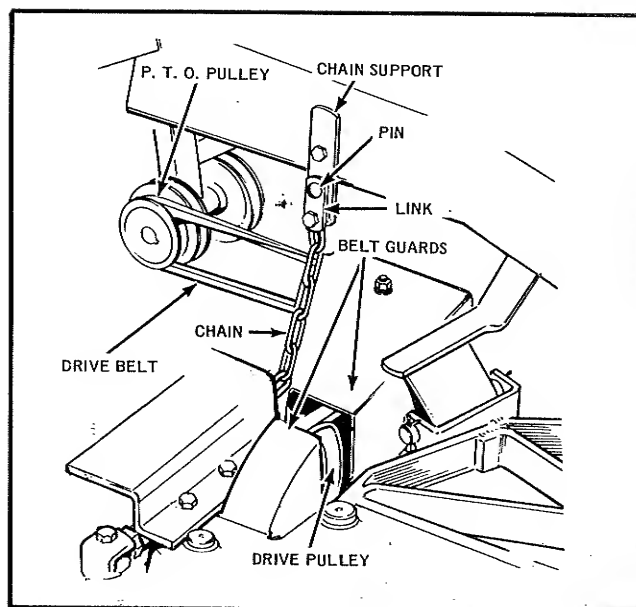


FIGURE 8

Remove the spring clip from the pin holding the cable pulley in its bracket and remove pin and the pulley. Place the lift cable in the groove of the pulley and replace the pulley in the bracket and re-install the pin and spring clip. Attach one end of the lift cable to the lift arm as shown in Figure 4 and attach the lower end of the cable to the lift cable brace on the hinge assembly. Fasten with pins and spring clips.

5. As the power to drive the sickle bar must come from the power take-off of the tractor, it will be necessary to attach the power take-off to the tractor if it is not equipped with one. Refer to the tractor instruction manual for installation of PTO.

With the power take-off attached to the tractor, place the sickle bar drive belt in place on the pulley of sickle bar and attach the free end of the belt in place on smaller section of power take-off drive pulley. Refer to Figure 7 or 8. Make certain that the drive belt rides in the grooves of the idler pulleys located within the belt guard.

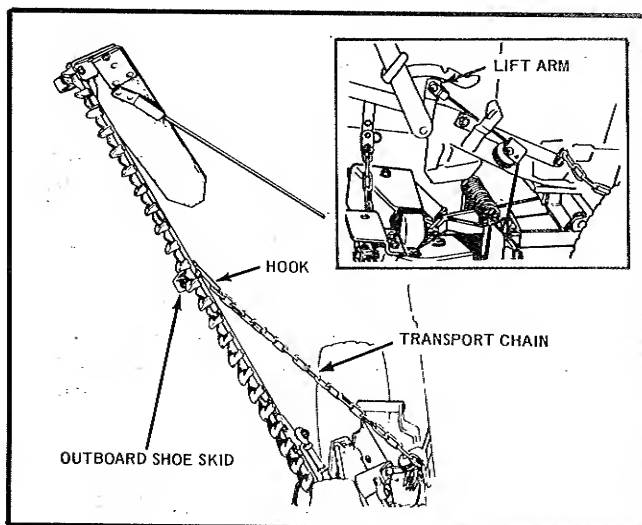


FIGURE 9

OPERATION

Check the lift cable before operating the sickle bar or the handle assembly (Mfg. No. 210) to be certain it is in the raised position. In the event that obstructions should appear in the path of the sickle bar, it will be necessary to lift the sickle bar above the obstructions. This is why it is important to have the lift cable properly installed or handle properly positioned prior to operation of the sickle bar.

Place the tractor transmission in neutral and the power take-off disengaged while the tractor engine is started.

Engage 1st gear and engage the power take-off before releasing the tractor clutch.

NOTE: The sickle bar must be in operation before beginning to move through material to be cut!

When transporting the sickle bar, the sickle bar must be swung up (handle low position, Mfg. No. 210) and locked in the raised position by the transport chain. The hook of the transport chain may be conveniently attached to the out-board skid shoe as shown in Figure 9.

The sickle bar is equipped with a latch device which will release and allow the sickle bar assembly to pivot towards the rear of the tractor in event of collision with a solid object. To re-set, shut off tractor engine and stop sickle bar before pulling the end of sickle bar towards front of tractor until it latches. To reset sickle bar Mfg. No. 210, hold lift handle firmly while reversing tractor.

LUBRICATION

The 46" Sickle Bar is lubricated through grease fittings located as follows:

| | |
|------------------------------|---|
| Crank Shaft Housing | 1 |
| Pitman Bearing Housing | 2 |
| Rocker Arm Shaft Housing | 1 |
| Cutter Bar Shaft Housing | 1 |
| Pivot Block (Mfg. No. 210) | 2 |
| Link Assembly (Mfg. No. 210) | 2 |

Refer to Figure 10 and 11 for the location of the grease fittings.

Lubricate these fittings after every hour of operation, with a standard grease gun loaded with a general purpose automotive type grease. Before applying grease wipe each fitting with a rag to remove dirt and grit. Avoid forcing dirt into the bearings with the clean grease.

Apply SAE No. 10 oil to the wear plates and sickle bar clips every one or two hours of steady operation. Occasionally add oil to bearings of idler pulleys in the belt guard housing.

DO NOT ATTEMPT TO LUBRICATE THE SICKLE BAR WHILE IT IS IN OPERATION.

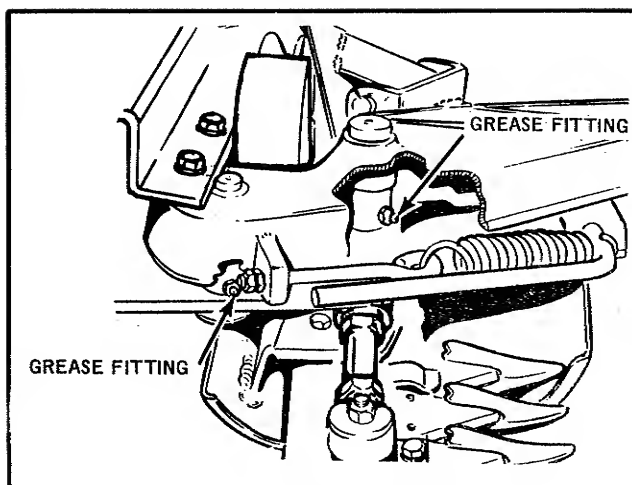


FIGURE 10

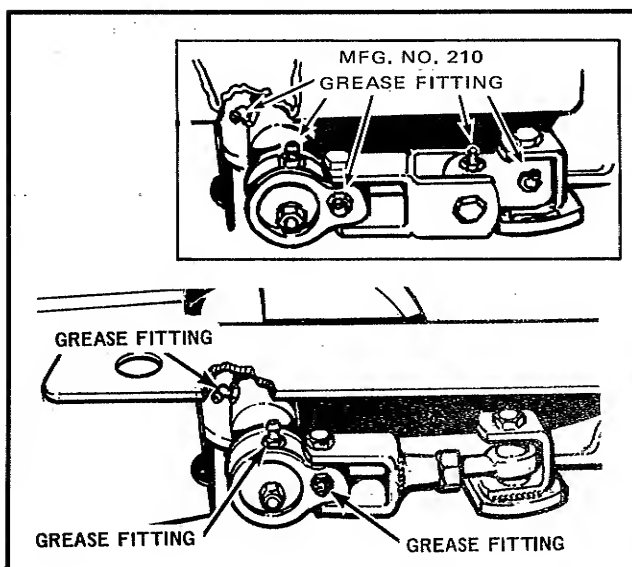


FIGURE 11

CAUTION

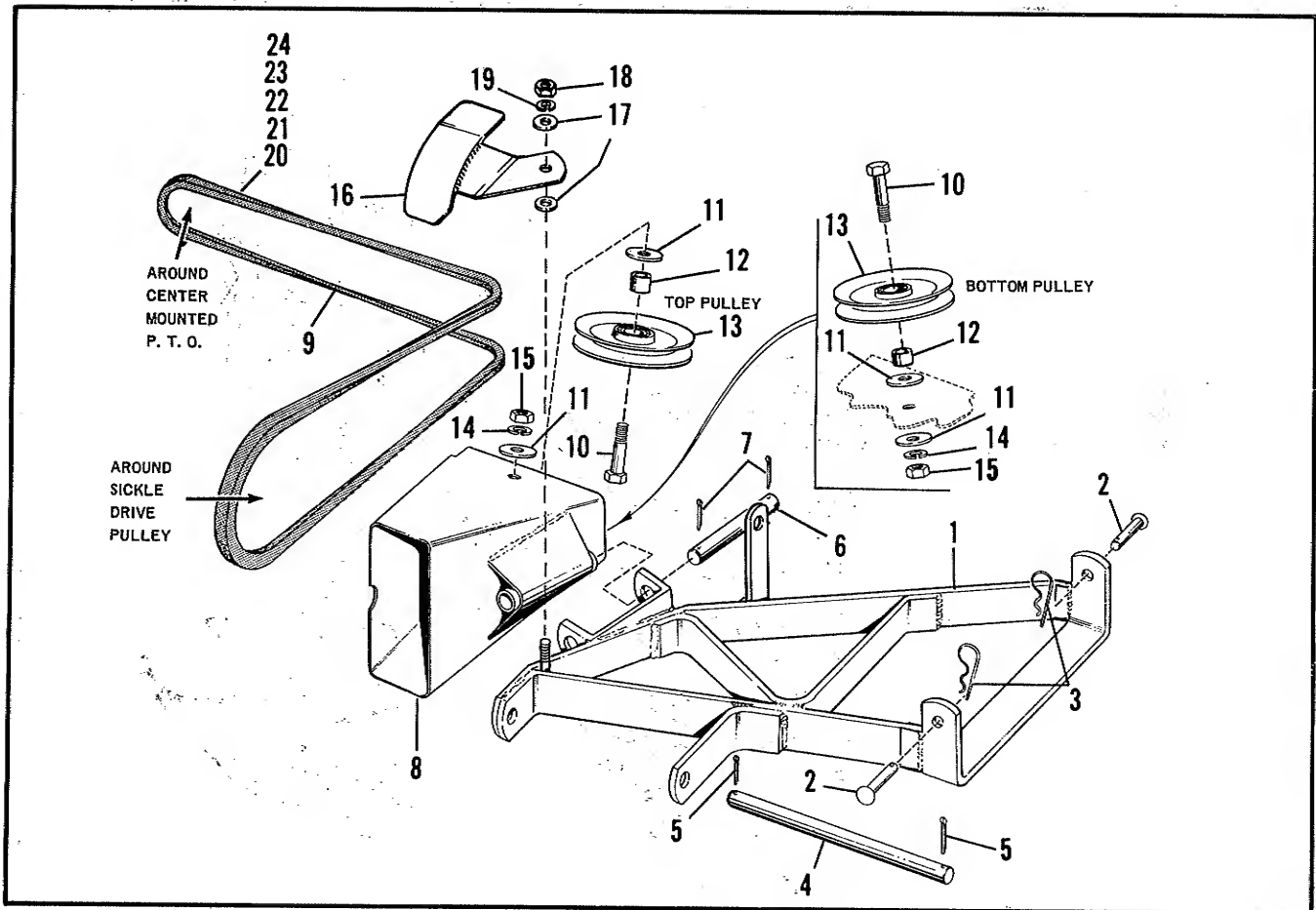
THIS SICKLE BAR MUST NOT BE OVER-SPEEDED, AS PERMANENT DAMAGE MAY RESULT.

Set the tractor engine speed to give a ground speed equal to a fast walk when the tractor transmission is in 3rd gear. Mark this point on the throttle control lever quadrant, and **DO NOT EXCEED THIS SPEED OR SETTING IN ANY GEAR.**

It is the responsibility of the operator to see that the area where the Sickle Bar will be used is free of all types of foreign material. This includes wire, rope, rags, sticks, bottles, cans, pipe, rocks, etc. These represent potential dangers to the sickle bar and operator, and are certain to damage the sickle bar.

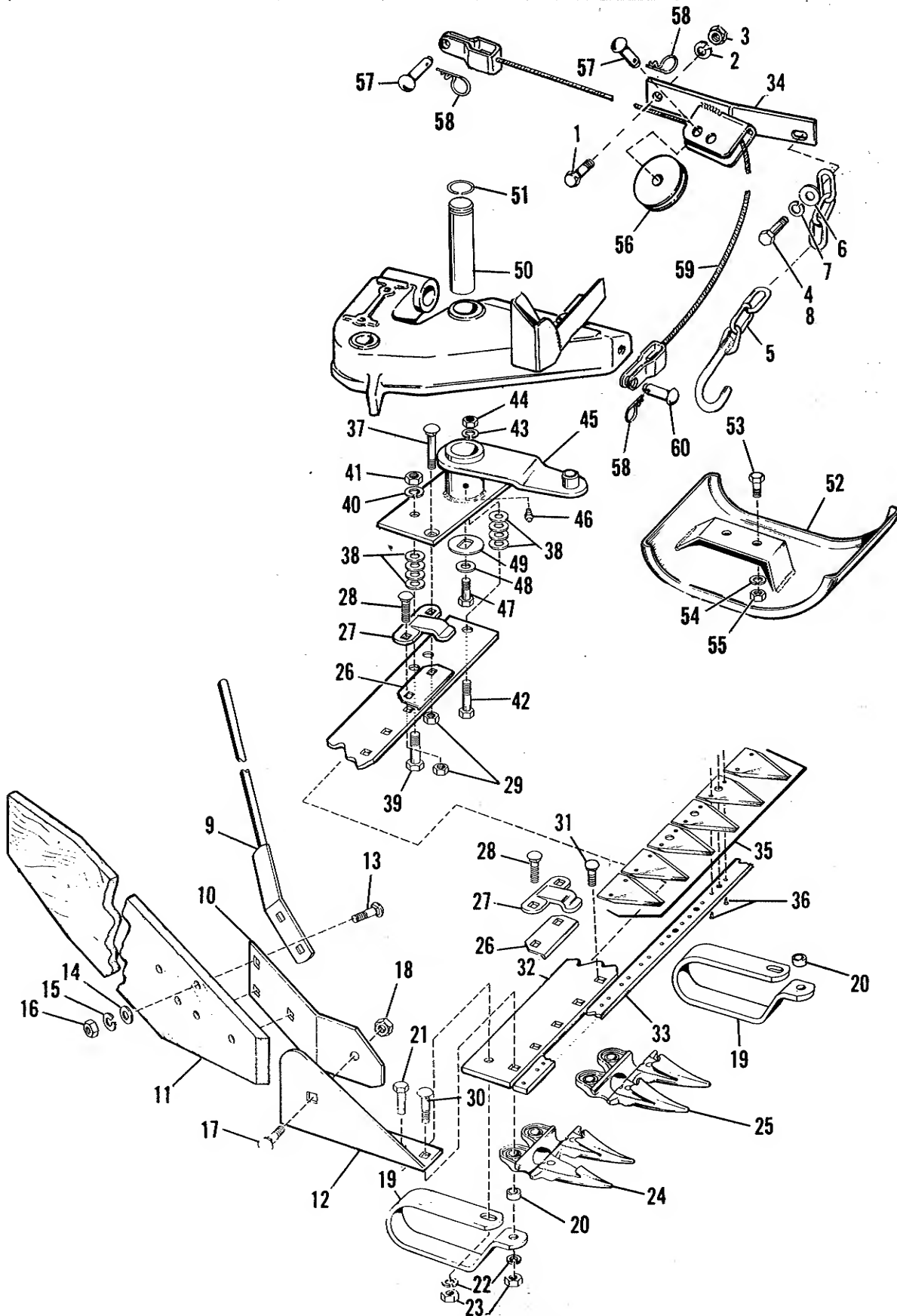
Always be on the alert for obstacles when mowing, and never leave the sickle bar in operation while unattended.

FRAME GROUP MFG. NOS. 346, 402, 465
538, 548, 623 AND 687



| Ref. No. | Part No. | Description |
|----------|----------|---|
| 1 | 101129 | Frame Assembly |
| 2 | 118053 | Pin |
| 3 | 8161045 | Clip, Spring |
| 4 | 101015 | Shaft, Hinge |
| 5 | 722011 | Pin, Cotter, 3/16" x 1" lg. |
| 6 | 101059 | Shaft, Idler Pulley Bracket |
| 7 | 722011 | Pin, Cotter, 3/16" x 1" lg. |
| 8 | 101054 | Guard Assembly, Belt |
| 9 | 101136 | Belt, "V" for Mfg. No. 346 |
| 10 | 705010 | Capscrew, Hex Hd., 3/8"-16 x 1-3/4" lg. |
| 11 | 719001 | Washer, Plain 3/8" |
| 12 | 157081 | Spacer |
| 13 | 101096 | Pulley, Idler (w/ball bearing) |
| 14 | 720002 | Lock Washer, 3/8" |
| 15 | 717003 | Nut, Hex, Full, 3/8"-16 |
| 16 | 101117 | Guard Assembly Belt |
| 17 | 719001 | Washer Plain |
| 18 | 717003 | Nut, Hex, Full, 3/8"-16 |
| 19 | 720002 | Washer Lock, 3/8" |
| 20 | 156120 | Belt, "V" for Mfg. No. 402 and 465 |
| 21 | 101136 | Belt, "V" for Mfg. No. 538 |
| 22 | 156120 | Belt, "V" for Mfg. No. 548 |
| 23 | 101137 | Belt, "V" for Mfg. No. 623 |
| 24 | 173073 | Belt, "V" for Mfg. No. 687 |

SICKLE GROUP MFG. NOS. 346, 402
465, 538, 548, 623 AND 687

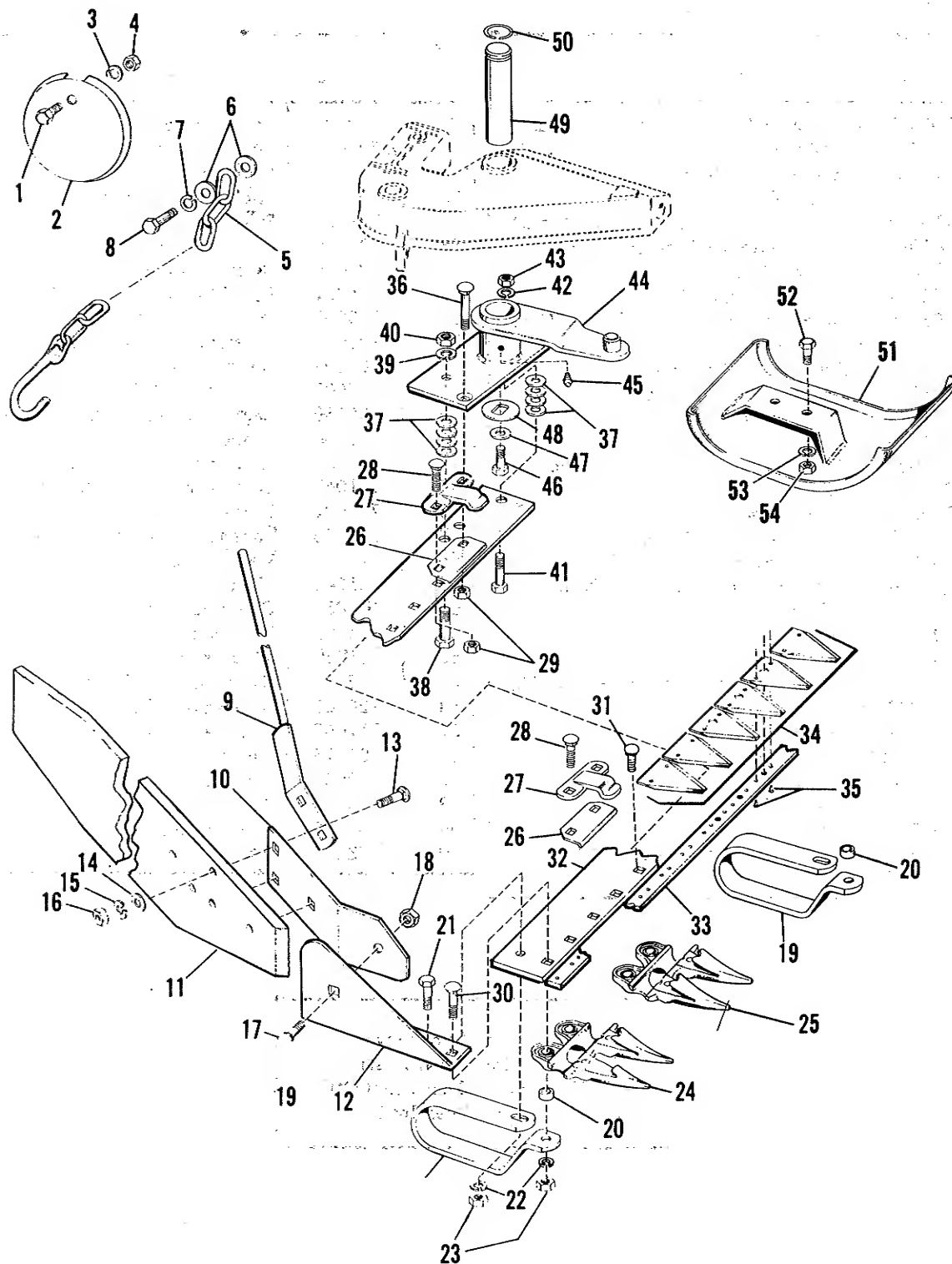


**SICKLE GROUP MFG. NOS. 346, 402
465, 538, 548, 623 AND 687**

| Ref. No. | Part No. | Description | Ref. No. | Part No. | Description |
|----------|----------|--|----------|----------|---|
| 1 | 705007 | Capscrew, Hex Hd. 5/16-18 x 1" lg. | 30 | 702006 | Bolt, Carriage, 3/8-16 x 1-3/4" lg. |
| 2 | 720001 | Washer Lock, 5/16" (725 Only-Rear) | 31 | 702002 | Bolt, Carriage, 3/8-16 x 1" lg. |
| 3 | 717001 | Hex Nut Full, 5/16-18 (725 Only-Rear) | 32 | 101070 | Bar Cutter |
| 4 | 715046 | 5/16-18 x 1-1/4" lg. (Landlord Front) | 33 | 101069 | Sickle Bar, Complete |
| 5 | 101085 | Chain Assembly, Transport | 34 | 101112 | Pulley Mounting Assy. |
| 6 | 719001 | Washer, Plain | 35 | 101099 | Complete Set of Sections |
| 7 | 720002 | Washer, Lock, 3/8" | 36 | 724010 | Rivet, Round Head, No. 6 x 1/2" lg. |
| 8 | 705016 | Capscrew, Hex Hd. 3/8-16 x 1-1/4" lg. (725 Front) | 37 | 704001 | Bolt, Plow, 3/8"-16 x 1-3/4" lg. |
| 9 | 101079 | Divider Rod Assembly | 38 | 719001 | Washer, Plain, 3/8" |
| 10 | 101077 | Support, Divider Board | 39 | 705009 | Capscrew, Hex Hd., 3/8"-16 x 1-1/2" lg. |
| 11 | 101078 | Board, Divider | 40 | 702002 | Lockwasher, 3/8" |
| 12 | 101075 | Bracket | 41 | 717003 | Nut, Hex Full, 3/8"-16 |
| 13 | 702005 | Bolt, Carriage, 3/8-16 x 1-1/2" lg. | 42 | 705039 | Capscrew, Hex Hd. 7/16-14 x 1-1/2" lg. |
| 14 | 719001 | Washer, Plain, 3/8" | 43 | 720006 | Washer, Lock, 7/16" |
| 15 | 720002 | Lockwasher, 3/8" | 44 | 717022 | Nut, Hex, Full, 7/16-14 |
| 16 | 717003 | Nut, Hex, Full, 3/8"-16 | 45 | 101043 | Lever Assembly, Cutter Bar |
| 17 | 702002 | Bolt, Carriage, 3/8-16 x 1" lg. | 46 | 727002 | Fitting, Grease |
| 18 | 717504 | Nut, Hex, Full, Elastic Stop Nut, 3/8-16 | 47 | 705005 | Capscrew, Hex Hd., 3/8-16 x 1" lg. |
| 19 | 101076 | Shoe | 48 | 719001 | Washer, Plain, 3/8" |
| 20 | 153073 | Spacer | 49 | 101049 | Washer |
| 21 | 705016 | Capscrew, Hex Hd., 3/8-16 x 1-1/4" lg. | 50 | 101031 | Cutter Bar Shaft |
| 22 | 720002 | Lockwasher, 3/8" | 51 | 154291 | Ring, Retaining |
| 23 | 717003 | Nut, Hex, Full, 3/8"-16 | 52 | 101066 | Shoe Assembly |
| 24 | 8161138 | Guard, Right End | 53 | 705005 | Capscrew, Hex Hd. 3/8"-16 x 1" lg. |
| 25 | 8161135 | Guard Twin | 54 | 720002 | Lockwasher, 3/8" |
| 26 | 8161136 | Plate, Wear | 55 | 717003 | Nut, Hex, Full, 3/8"-16 |
| 27 | 101071 | Clip, Sickle | 56 | 101115 | Pulley |
| 28 | 702004 | Bolt, Carriage, 3/8-16 x 1-1/4" lg. | 57 | 102004 | Pin Pivot |
| 29 | 717003 | Nut, Hex, Full, 3/8"-16 | 58 | 8161045 | Spring Clip |
| | | | 59 | 101116 | Cable Assembly |
| | | | 60 | 153058 | Pin |

| | |
|--------|------------------------|
| 155061 | Decal (Simplicity) |
| 101120 | Film (Safety First) |
| 101121 | Film (Engine Shut Off) |
| 101122 | Film (Oper. Ins.) |

SICKLE GROUP MFG. NO. 210



SICKLE GROUP MFG. NO. 210

| Ref. No. | Part No. | Description |
|----------|----------|---|
| 1 | 705005 | Capscrew, Hex Hd., 3/8"-16 x 1" lg. |
| 2 | 101082 | Guard, Clutch Pedal |
| 3 | 720002 | Lock Washer, 3/8" |
| 4 | 717003 | Nut, Hex, Full, 3/8"-16 |
| 5 | 101085 | Chain Assembly, Transport |
| 6 | 719001 | Washer, Plain, 3/8" |
| 7 | 720002 | Washer, Lock, 3/8" |
| 8 | 705016 | Capscrew, Hex Hd., 3/8"-16 x 1-1/4" lg. |
| 9 | 101079 | Divider Rod Assembly |
| 10 | 101077 | Support, Divider Board |
| 11 | 101078 | Board, Divider |
| 12 | 101075 | Bracket |
| 13 | 702005 | Bolt, Carriage, 3/8"-16 x 1-1/2" lg. |
| 14 | 719001 | Washer, Plain, 3/8" |
| 15 | 720002 | Lock Washer, 3/8" |
| 16 | 717003 | Nut, Hex, Full, 3/8"-16 |
| 17 | 702002 | Bolt, Carriage, 3/8"-16 x 1" lg. |
| 18 | 717504 | Nut, Hex, Full, Elastic Stop Nut, 3/8"-16 |
| 19 | 101076 | Shoe |
| 20 | 153073 | Spacer |
| 21 | 705016 | Capscrew, Hex Hd., 3/8"-16 x 1-1/4" lg. |
| 22 | 720002 | Lock Washer, 3/8" |
| 23 | 717003 | Nut, Hex, Full, 3/8"-16 |
| 24 | 8161138 | Guard, Right End |
| 25 | 8161135 | Guard, Twin |
| 26 | 8161136 | Plate, Wear |

| Ref. No. | Part No. | Description |
|----------|----------|--|
| 27 | 101071 | Clip, Sickle |
| 28 | 702004 | Bolt, Carriage, 3/8"-16 x 1-1/4" lg. |
| 29 | 717003 | Nut, Hex, Full, 3/8"-16 |
| 30 | 702006 | Bolt, Carriage, 3/8"-16 x 1-3/4" lg. |
| 31 | 702002 | Bolt, Carriage, 3/8"-16 x 1" lg. |
| 32 | 101070 | Bar, Cutter |
| 33 | 101072 | Sickle Bar, Complete |
| 34 | 101091 | Complete Set of Sections |
| 35 | 724010 | Rivet, Round Head, No. 6 x 1/2" lg. |
| 36 | 704001 | Bolt, Plow, 3/8"-16 x 1-3/4" lg. |
| 37 | 719001 | Washer, Plain, 3/8" |
| 38 | 705009 | Capscrew, Hex Hd., 3/8"-16 x 1-1/2" lg. |
| 39 | 702002 | Lock Washer, 3/8" |
| 40 | 717003 | Nut, Hex, Full, 3/8"-16 |
| 41 | 705039 | Capscrew, Hex Hd., 7/16"-14 x 1-1/2" lg. |
| 42 | 702006 | Washer, Lock, 7/16" |
| 43 | 717022 | Nut, Hex, Full, 7/16"-14 |
| 44 | 101043 | Lever Assembly, Cutter Bar |
| 45 | 727002 | Fitting, Grease |
| 46 | 705005 | Capscrew, Hex Hd., 3/8"-16 x 1" lg. |
| 47 | 719001 | Washer, Plain, 3/8" |
| 48 | 101049 | Washer |
| 49 | 101031 | Cutter Bar Shaft |
| 50 | 154291 | Ring, Retaining |
| 51 | 101066 | Shoe Assembly |
| 52 | 705005 | Capscrew, Hex Hd. 3/8"-16 x 1" lg. |
| 53 | 720002 | Lock Washer, 3/8" |
| 54 | 717003 | Nut, Hex, Full, 3/8"-16 |

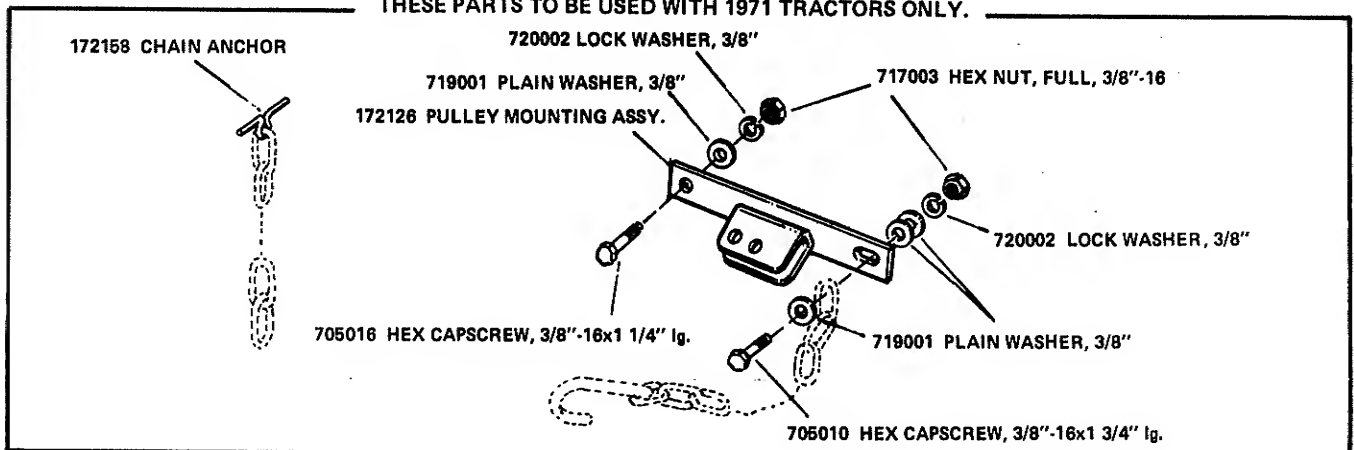
This is a detailed exploded view diagram of a mechanical assembly, likely a door latch or lock mechanism. The diagram shows the following components and their assembly relationships:

- Part 1:** A circular disc or wheel, which is mounted onto **Part 6** (a shaft or pin).
- Part 2:** A small pin or clip that fits into the center of **Part 1**.
- Part 3:** A small circular component, possibly a bush or washer, located near the center of **Part 1**.
- Part 4:** A small pin or clip that fits into the center of **Part 1**.
- Part 5:** A large, flat rectangular plate or base, which serves as the foundation for the assembly.
- Part 6:** A shaft or pin that passes through **Part 1** and is secured by **Part 7** (a nut or washer).
- Part 7:** A nut or washer that secures **Part 6** to **Part 5**.
- Part 8:** A small pin or clip that fits into the center of **Part 1**.
- Part 9:** A small pin or clip that fits into the center of **Part 1**.
- Part 10:** A small pin or clip that fits into the center of **Part 1**.
- Part 11:** A small pin or clip that fits into the center of **Part 1**.
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- Part 25:** A small pin or clip that fits into the center of **Part 1**.
- Part 26:** A small pin or clip that fits into the center of **Part 1**.
- Part 27:** A coiled spring, which is attached to **Part 28** (a pin or clip) and **Part 29** (a pin or clip).
- Part 28:** A pin or clip that fits into the center of **Part 1**.
- Part 29:** A pin or clip that fits into the center of **Part 1**.
- Part 30:** A small pin or clip that fits into the center of **Part 1**.
- Part 31:** A small pin or clip that fits into the center of **Part 1**.
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- Part 59:** A small pin or clip that fits into the center of **Part 1**.
- Part 60:** A small pin or clip that fits into the center of **Part 1**.
- Part 61:** A small pin or clip that fits into the center of **Part 1**.
- Part 62:** A small pin or clip that fits into the center of **Part 1**.
- Part 63:** A small pin or clip that fits into the center of **Part 1**.
- Part 64:** A small pin or clip that fits into the center of **Part 1**.
- Part 65:** A small pin or clip that fits into the center of **Part 1**.
- Part 66:** A small pin or clip that fits into the center of **Part 1**.
- Part 67:** A small pin or clip that fits into the center of **Part 1**.
- Part 68:** A small pin or clip that fits into the center of **Part 1**.
- Part 69:** A small pin or clip that fits into the center of **Part 1**.
- Part 70:** A small pin or clip that fits into the center of **Part 1**.
- Part 71:** A small pin or clip that fits into the center of **Part 1**.
- Part 72:** A small pin or clip that fits into the center of **Part 1**.
- Part 73:** A small pin or clip that fits into the center of **Part 1**.
- Part 74:** A small pin or clip that fits into the center of **Part 1**.
- Part 75:** A small pin or clip that fits into the center of **Part 1**.
- Part 76:** A small pin or clip that fits into the center of **Part 1**.
- Part 77:** A small pin or clip that fits into the center of **Part 1**.
- Part 78:** A small pin or clip that fits into the center of **Part 1**.

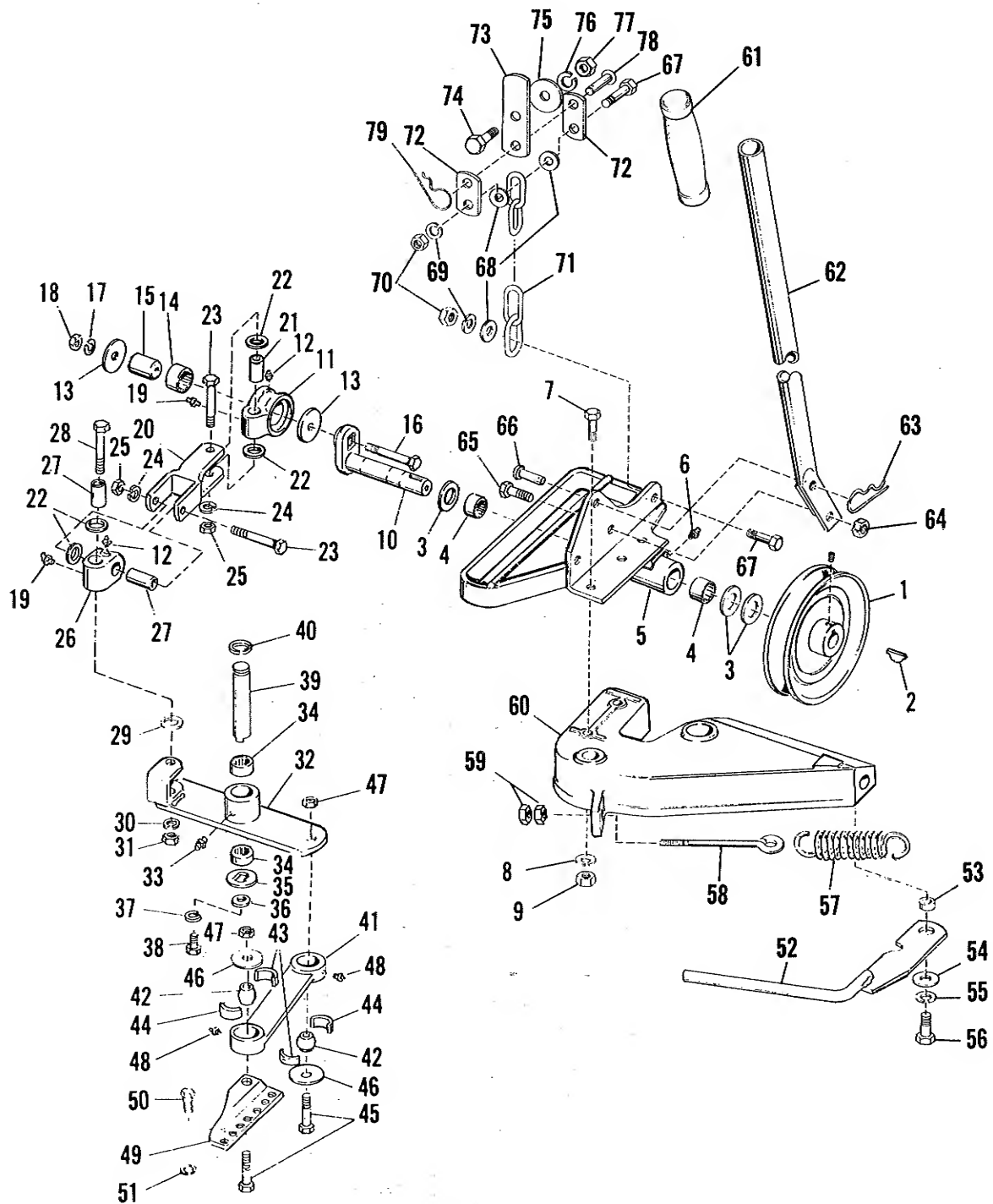
**DRIVE GROUP MFG. NOS. 346, 402,
465, 538, 548, 623 AND 687**

| Ref. No. | Part No. | Description | Ref. No. | Part No. | Description |
|----------|----------|--|----------|----------|--|
| 1 | 106485 | Drive Pulley | 40 | 154264 | Ring, Retaining |
| 2 | 725504 | Key, Hi-Pro | 41 | 101106 | Rod End |
| 3 | 101022 | Washer | 42 | 717016 | Nut, Hex, Full, 1/2"-20 |
| 4 | 154258 | Bearing, Needle | 43 | 101107 | Spacer |
| 5 | 101110 | Rod End Assembly | 44 | 101108 | Spacer |
| 6 | 727004 | Fitting, Grease | 45 | 121184 | Bolt, Hex Hd. |
| 7 | 705005 | Capscrew, Hex Hd., 3/8"-16 x 1" lg. | 46 | 719002 | Washer |
| 8 | 720002 | Lockwasher, 3/8" | 47 | 717515 | Nut, Hex, Full, Lock, 3/8"-24 |
| 9 | 717003 | Nut, Hex, Full, 3/8"-16 | 48 | 101134 | Mounting Assembly Cable |
| 10 | 101006 | Shaft, Crank | 49 | 101074 | Head, Sickle |
| 11 | 8161196 | Housing, Pitman Bearing | 50 | 706016 | Capscrew, Hex Hd. 5/16-24 x 5/8" lg. |
| 12 | 727002 | Fitting, Grease | 51 | 720001 | Washer, Lock, 5/16" |
| 13 | 8161199 | Washer | 52 | 101050 | Latch Assembly |
| 14 | 8161198 | Bearing, Needle | 53 | 101053 | Spacer, Latch |
| 15 | 8161197 | Race, Inner, Pitman Bearing | 54 | 719003 | Washer, Plain |
| 16 | 715036 | Capscrew, Hex Hd., 3/8-16 x 2-1/4" lg. | 55 | 720006 | Lockwasher, 7/16" |
| 17 | 720002 | Lockwasher, 3/8" | 56 | 705042 | Capscrew, Hex Hd., 7/16"-14x1-1/4" lg. |
| 18 | 717003 | Nut, Hex, Full, 3/8"-16 | 57 | 101064 | Spring |
| 19 | 727006 | Fitting, Grease, (45°) | 58 | 101065 | Eye Bolt |
| 20 | 101104 | Clevis Assembly, Pitman | 59 | 717001 | Nut, Hex, Full, 5/16"-18 |
| 21 | 8161056 | Bearing, Pivot Block | 60 | 101109 | Hinge |
| 22 | 101025 | Washer | 61 | 101111 | Pivot End Rod |
| 23 | 715036 | Capscrew, Hex Hd., 3/8-16 x 2-1/4" lg. | 62 | 717016 | Nut Hex Jam, 1/2"-20 |
| 24 | 720002 | Lockwasher, 3/8" | 63 | 705041 | Capscrew, Hex Hd., 7/16-14x1" lg. |
| 25 | 717003 | Nut, Hex, Full, 3/8"-16 | 64 | 720006 | Washer Lock, 7/16" |
| 26 | 101103 | Shield | 65 | 717022 | Nut, Hex Full |
| 27 | 101126 | Spring | 66 | 153073 | Spacer |
| 28 | 715043 | Capscrew, Hex Hd., 3/8"-16x2-1/2"lg. | 67 | 705005 | Capscrew, Hex Hd., 3/8"-16x1"lg. |
| 29 | 101083 | Chain Support | 68 | 719001 | Washer, Plain, 3/8" |
| 30 | 720002 | Lockwasher, 3/8" | 69 | 720002 | Lockwasher, 3/8" |
| 31 | 717003 | Nut, Hex, Full, 3/8"-16 | 70 | 717003 | Nut, Hex, Full, 3/8"-16 |
| 32 | 101095 | Rocker Arm Assembly | 71 | 101084 | Chain, Lift |
| 33 | 727002 | Fitting, Grease | 72 | 108199 | Link, Mower Lift |
| 34 | 154258 | Bearing, Needle | 73 | 719001 | Washer, Plain, 3/8" |
| 35 | 101035 | Washer | 74 | 720002 | Washer, Lock, 3/8" |
| 36 | 719001 | Washer, Plain, 3/8" | 75 | 717003 | Hex, Nut, Full, 3/8"-16 |
| 37 | 720002 | Lockwasher, 3/8" | 76 | 153058 | Pin |
| 38 | 705004 | Capscrew, Hex Hd., 3/8"-16x3/4" lg. | 77 | 8161045 | Clip, Spring |
| 39 | 101030 | Shaft, Rocker Arm | 78 | 705005 | Capscrew, Hex Hd. 3/8"-16x1" lg. |

THESE PARTS TO BE USED WITH 1971 TRACTORS ONLY.



DRIVE GROUP MFG. NO. 210

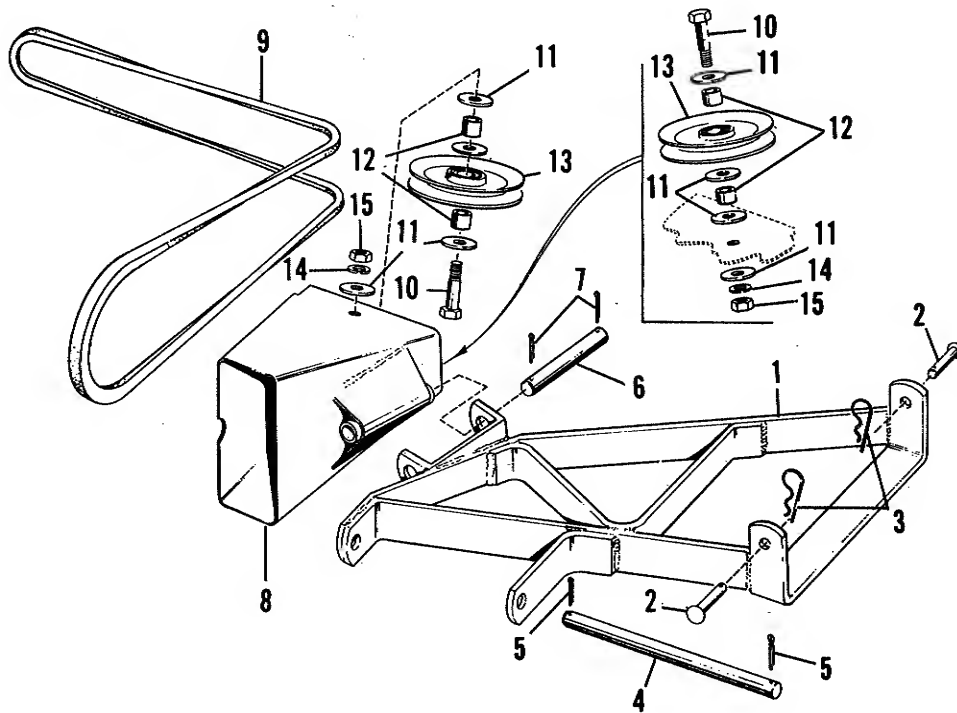


DRIVE GROUP MFG. NO. 210

| Ref. No. | Part No. | Description |
|----------|----------|--|
| 1 | 101023 | Drive Pulley |
| 2 | 725504 | Key, Hi-Pro |
| 3 | 101022 | Washer |
| 4 | 154258 | Bearing, Needle |
| 5 | 101016 | Bracket Assembly, Lift |
| 6 | 727006 | Fitting, Grease |
| 7 | 715041 | Capscrew, Hex Hd., 7/16-14x1-1/4"lg. |
| 8 | 720006 | Lockwasher, 7/16" |
| 9 | 717015 | Nut, Hex, Full, 7/16-14 |
| 10 | 101006 | Shaft, Crank |
| 11 | 101024 | Housing, Pitman Bearing |
| 12 | 727002 | Fitting, Grease |
| 13 | 8161199 | Washer |
| 14 | 8161198 | Bearing, Needle |
| 15 | 8161197 | Race, Inner, Pitman Bearing |
| 16 | 715036 | Capscrew, Hex Hd., 3/8"-16 x 2-1/4"lg. |
| 17 | 720002 | Lockwasher, 3/8" |
| 18 | 717003 | Nut, Hex, Full, 3/8"-16 |
| 19 | 727004 | Fitting, Grease, 90° |
| 20 | 101088 | Clevis Assembly, Pitman |
| 21 | 8161056 | Bearing, Pivot Block |
| 22 | 101025 | Washer |
| 23 | 715036 | Capscrew, Hex Hd., 3/8"-16x2-1/4"lg. |
| 24 | 720002 | Lockwasher, 3/8" |
| 25 | 717003 | Nut, Hex, Full, 3/8"-16 |
| 26 | 8161052 | Block, Pivot |
| 27 | 8161056 | Bearing |
| 28 | 715043 | Capscrew, Hex Hd., 3/8"-16x2-1/2"lg. |
| 29 | 719001 | Washer, Plain, 3/8" |
| 30 | 720002 | Lockwasher, 3/8" |
| 31 | 717003 | Nut, Hex, Full, 3/8"-16 |
| 32 | 101095 | Rocker Arm Assembly |
| 33 | 727002 | Fitting, Grease |
| 34 | 154258 | Bearing, Needle |
| 35 | 101035 | Washer |
| 36 | 719001 | Washer, Plain, 3/8" |
| 37 | 720002 | Lockwasher, 3/8" |
| 38 | 705004 | Capscrew, Hex Hd., 3/8"-16x3/4"lg. |
| 39 | 101030 | Shaft, Rocker Arm |
| 40 | 154264 | Ring, Retaining |

| Ref. No. | Part No. | Description |
|----------|----------|---------------------------------------|
| 41 | 101037 | Link Assembly |
| 42 | 101040 | Ball, Link |
| 43 | 101041 | Bushing, Ball, Half |
| 44 | 101042 | Bushing, Ball, Half |
| 45 | 121184 | Bolt, Hex Hd. |
| 46 | 8161199 | Washer |
| 47 | 717515 | Nut, Hex, Full, Lock, 3/8"-24 |
| 48 | 727002 | Fitting, Grease |
| 49 | 101074 | Head, Sickle |
| 50 | 706016 | Capscrew, Hex Hd. 5/16"-24x 5/8"lg. |
| 51 | 720001 | Washer, Lock, 5/16" |
| 52 | 101050 | Latch Assembly |
| 53 | 101053 | Spacer, Latch |
| 54 | 719003 | Washer, Plain |
| 55 | 720006 | Lockwasher, 7/16" |
| 56 | 705042 | Capscrew, Hex Hd., 7/16"-14x1-1/4"lg. |
| 57 | 101064 | Spring |
| 58 | 101065 | Eye Bolt |
| 59 | 717001 | Nut, Hex, Full, 5/16"-18 |
| 60 | 101029 | Hinge |
| 61 | 155038 | Grip, Handle |
| 62 | 101061 | Handle Assembly |
| 63 | 8161045 | Clip, Spring |
| 64 | 717510 | Nut, Hex, Full, Lock, 3/8"-16 |
| 65 | 705005 | Capscrew, Hex Hd., 3/8"-16 x 1"lg. |
| 66 | 8271015 | Pin |
| 67 | 705005 | Capscrew, Hex Hd., 3/8"-16 x 1"lg. |
| 68 | 719001 | Washer, Plain, 3/8" |
| 69 | 720002 | Lockwasher, 3/8" |
| 70 | 717003 | Nut, Hex, Full, 3/8"-16 |
| 71 | 101084 | Chain, Lift |
| 72 | 108199 | Link, Mower Lift |
| 73 | 101083 | Support, Chain |
| 74 | 705005 | Capscrew, Hex Hd., 3/8"-16 x 1"lg. |
| 75 | 8161199 | Washer |
| 76 | 720002 | Lockwasher, 3/8" |
| 77 | 717003 | Nut, Hex, Full, 3/8"-16 |
| 78 | 153058 | Pin |
| 79 | 8161045 | Clip, Spring |

FRAME GROUP MFG. NO. 210



| Ref. No. | Part No. | Description |
|----------|----------|--|
| 1 | 101008 | Frame Assembly |
| 2 | 118053 | Pin |
| 3 | 8161045 | Clip, Spring |
| 4 | 101015 | Shaft, Hinge |
| 5 | 722011 | Pin, Cotter, 3/16" x 1" lg. |
| 6 | 101059 | Shaft, Idler Pulley Bracket |
| 7 | 722011 | Pin, Cotter, 3/16" x 1" lg. |
| 8 | 101054 | Guard Assembly, Belt |
| 9 | 101007 | Belt, "V" |
| 10 | 705010 | Capscrew, Hex Hd. 3/8"-16 x 1-3/4" lg. |
| 11 | 719002 | Washer, Plain, 5/16" |
| 12 | 8171045 | Spacer |
| 13 | 101060 | Pulley, Idler (w/ball bearing) |
| 14 | 720002 | Lock Washer, 3/8" |
| 15 | 717003 | Nut, Hex, Full, 3/8"-16 |